

NAME: _____



PLENARY

OCTOBER 9-10, 2018

2018 PROGRAM

Location: West Sacramento Civic Center Galleria

Address: 1110 West Capitol Ave.

West Sacramento, CA, 95691



UPDATE 2018

CALIFORNIA WATER PLAN

California Water Plan (CWP) Update 2018

This Water Plan Plenary focuses on the building blocks that create the foundation for CWP Update 2018 goals and recommended actions.

Day 1- begins with an exploration of the challenges the Water Plan addresses, and their root causes, and continues with a sampling of the many, many data components that inform its content. Participants will also be invited to preview tools that can be used to balance and evaluate the trade-offs that implementation of the plan will require, even in the face of uncertainty.

Day 2 – celebrates the important role of collaboration and partnership in integrating action across all levels of government. In addition to considering how to strengthen integrated regional water management, participants will be asked to help define priorities.

As always, the featured speakers, session presenters, and fellow participants represent the best of California’s water managers and leaders.



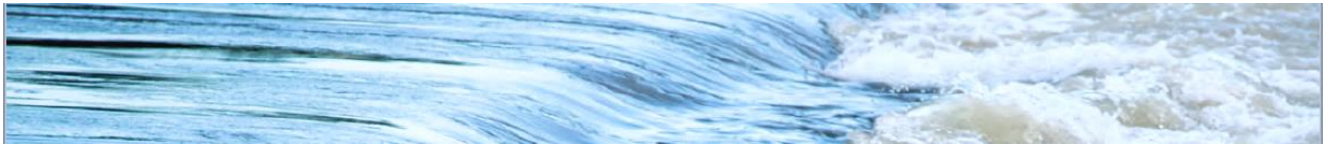


2018 PROGRAM

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California Water Plan Update 2018 Plenary **AGENDA**

October 9-10, 2018

Day 1: 8:30 am - 5:00 pm, Day 2: 8:30 a.m. – Noon

West Sacramento Civic Center Galleria

1110 W. Capitol Ave, West Sacramento, CA 95605



MEETING GOALS:

1. Strengthen the Water Plan Role in Addressing Critical Water Challenges and their Causes
2. Promote Data Driven Decision Making
3. Set Priorities for Strengthening Regional Water Management

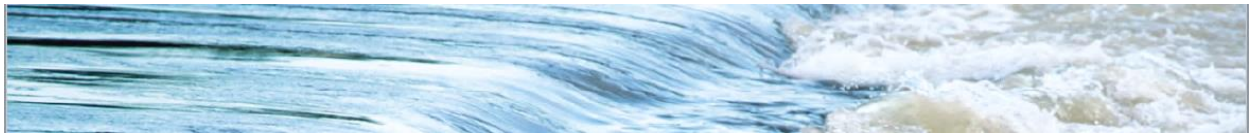
Day 1 –Morning - October 9, 2018

#	Time	Item	Presenter
1.	8:30 AM	Registration and Networking	
2.	9:15	Welcome and Greetings <ul style="list-style-type: none"> • <i>Introductions</i> • <i>Meeting Goals</i> • <i>Agenda & Handout Review</i> • <i>National Imagine a Day Without Water (Oct. 10, 2018)</i> 	Kamyar Guivetchi, CA Department of Water Resources (DWR) Lisa Beutler , Facilitator, Stantec
3.	9:40	Opening Remarks	DWR Director Karla Nemeth
4.	10:00	A Day Without Water <ul style="list-style-type: none"> • <i>California's Critical Water Challenges</i> • <i>Interactive Discussion</i> 	All
5.	11:00	Investing in a Shared Vision for California's Water Future <ul style="list-style-type: none"> • <i>Key Concepts in Update 2018 for Addressing California's Challenges</i> 	Kamyar Guivetchi
6.	11:30	Management Tools and Strategies in Action <ul style="list-style-type: none"> • <i>SAWPA Pilot Project</i> 	Mike Antos , Santa Ana Water Project Authority

Day 1 –Afternoon - October 9, 2018

#	Time	Item	Presenter
7.	Noon	Working Lunch & Keynote Speaker	California State Controller Betty T. Yee
8.	1:10 PM	Interactive Gaming Demonstration <i>Experience firsthand the challenge of planning and managing adaptively given many facets and uncertainties of California's water resources</i>	Paul Massera, Rich Juricich, Jennifer Kofoid, DWR
9.	3:00	Break	All
10.	3:15	Impact of Recent Court Decisions on California Water	David Sandino, DWR
11.	3:45	The Foundation of the Water Plan: Data Driven Decision Making – Lightning Talks <i>1. Overview - Jennifer Kofoid, Hoa Ly</i> <i>2. Water Supply and Balance - Xavier “Tito” Cervantes</i> <i>3. Water Budgets - Paul Shipman</i> Q&A <i>4. Climate Change – Emily Alejandrino</i> <i>5. Future Scenarios – Mohamed Rayej</i> <i>6. Land Use – Curtis Anderson</i> Q&A <i>7. Remote Sensing and Drones – Gary Darling</i> <i>8. Watershed Mapping – Matt Corea</i> <i>9. Storm Water Targets - Nirmala Benin</i> Q&A <i>10. Recycled Water Use – Rich Mills</i> <i>11. Water Conservation – Peter Brostrom</i> <i>12. Open and Transparent Data – Chris McCready</i>	
12.	5:00	Wrap-up and Prepare for Next Day	Paul Massera, DWR





Day 2 – October 10

#	Time	Item	Presenter
13.	8:30 AM	Registration and Networking	
14.	9:00	Welcome and Greetings <ul style="list-style-type: none"> • <i>Introductions</i> • <i>Agenda Review</i> • <i>Oct 9 meeting recap</i> 	Kamyar Guivetchi , CA Department of Water Resources (DWR), Lisa Beutler , Facilitator, Stantec
15.	9:10	Opening Speaker	DWR Deputy Director Kris Tjernell
16.	9:20	Panel Discussion <i>Priorities for Sustaining, Broadening, and Strengthening Regional Water Management</i> Session Hosts: Michael Floyd & Lewis Moeller , DWR Moderator: Lynn Rodriguez , Watersheds Coalition of Ventura County Stakeholder Representatives: Mike Antos , Santa Ana Water Project Authority Karen Gaffney , West Coast Watershed Holly Alpert , Inyo-Mono IRWM Region Cathy Pieroni , City of San Diego Brandi Brown , North Coast Resource Partnership Tribal Policy Review Panel Tribal Representative Leslie Friedman Johnson , Conservation and Natural Resources Group	
<i>Q&A</i>			
17.	10:20	Break and Interactive Priority-Setting (Voting)	All
18.	10:40	Panel Session	

#	Time	Item	Presenter
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*Addressing Priorities for the Future of Regional Water Management
Through State, Tribal, and Regional Partnerships*

Session Hosts: Michael Floyd & Lewis Moeller, DWR

Moderator: Lance Eckhart, Mojave Water Agency

Agency Representatives:

Erik Ekdahl, State Water Resources Control Board

Kris Tjernell, DWR

Charlton Bonham, Department of Fish and Wildlife

Anecita Agustinez, DWR

John Andrew, DWR

Leslie Laudon, State Water Resources Control Board

Q&A

19.	11:40	Wrap-up of Regional Panel Sessions	Lance Eckhart, Mojave Water Agency
20.	11:55 AM	Wrap-up and Adjourn	Kamyar Guivetchi, DWR

The Mission of the California Department of Water Resources is to sustainably manage the water resources of California, in cooperation with other agencies, to benefit the state's people and protect, restore, and enhance the natural and human environments.



Plenary Story Board

<p>Imagine a Day Without Water</p> <ul style="list-style-type: none"> • Californians face imminent and significant risk TODAY. As we step up our efforts to address today's critical challenges, we also have to address their root causes or "systemic challenges" to minimize or avoid their continued impacts over the long term. 	<p>Agenda Item</p> <p>Morning Presentations and Discussions</p>
<p>Update 2018 will be a Plan for Today and Tomorrow</p> <ul style="list-style-type: none"> • Update 2018 - Is a viable, prioritized plan to effectively manage toward a more sustainable water future 	
<p>Update 2018 is Designed for Action by all Levels of Government</p> <ul style="list-style-type: none"> • Benefits cannot be realized without implementation. DWR is already partnering with some agencies to pilot ways to incorporate components of Update 2018 into their own planning processes. 	<p>SAWPA Pilot Project</p>
<p>Leadership is Key</p>	<p>Director Nemeth and State Controller Betty T. Yee</p>
<p>Decision Making Requires Balancing & Understanding Trade-offs</p> <ul style="list-style-type: none"> • Given the complexity and interconnectivity of water management, effective decision must be not only based on best available and often limited information, but also requires a common understanding of expected trade-offs of decisions. 	<p>Interactive Modeling Exercise</p>
<p>Trade -offs Occur at all Scales</p> <ul style="list-style-type: none"> • Water management is a dynamic venture that requires integrated management of not just physical infrastructure but governance as well. 	<p>Water & the Courts</p>
<p>Good Decisions Depend on Good Data</p> <ul style="list-style-type: none"> • Data-driven decision-making is only as good as the underlying data. DWR partners with many entities to receive and provide essential data which support effective water management decision making and help us track progress toward meeting intended outcomes. 	<p>Data Lightning Rounds</p>
<p>Up to 90% of all Water Management is Local</p> <ul style="list-style-type: none"> • State-regional partnerships empower regions to accomplish their own objectives as well as help accomplish State responsibilities such as protecting public trust and provider of last resort. 	<p>Day 2 Agenda</p>

FEATURED SPEAKERS

Karla Nemeth Director

California Department of Water Resources

Karla Nemeth was appointed Director of the California Department of Water Resources by Governor Edmund G. Brown Jr. on January 10, 2018. Nemeth oversees the Department and its mission to manage and protect California's water resources, working with other agencies in order to benefit the State's people and to protect, restore and enhance the natural and human environments.



Nemeth worked at the California Natural Resources Agency as Governor Brown's deputy secretary and senior advisor for water policy since 2014. She was Bay Delta Conservation Plan project manager from 2009 to 2014. From 2005 to 2009 Nemeth was environmental and public affairs director for the Alameda County Flood Control and Water Conservation District from. She was community affairs manager at Jones and Stokes from 2003 to 2005. She has a Master's degree in public administration from the University of Washington.

Betty T. Yee

California State Controller



State Controller Betty T. Yee was elected in November 2014, following two terms of service on the California Board of Equalization. As Controller, she continues to serve the Board as its fifth voting member.

Ms. Yee was first elected to the Board of Equalization in 2006 where she represented 21 counties in northern and central California. She was elected to her second four-year term in 2010.

Now serving as the state's chief fiscal officer, Ms. Yee chairs the Franchise Tax Board and serves as a member of the California Public Employees' Retirement System (CalPERS) and the California State Teachers' Retirement System (CalSTRS) Boards. These two boards have a combined portfolio of more than \$570 billion. Ms. Yee also serves on the Ceres Board of Directors, a nonprofit organization working to mobilize many of the world's largest investors to advance global sustainability and take stronger action on climate change.

Ms. Yee serves on dozens of boards and commissions with authority ranging from land management to crime victim compensation. As chair of the State Lands Commission, she helps provide stewardship of public-trust lands, waterways, industrial wharves, marine terminals, pipelines, and resources through economic development, protection, preservation, and restoration consistent with the state's environmental needs. The development and extraction of oil, gas, and geothermal resources are part of the Commission's purview, as well. Through other financing authorities, Ms. Yee is dedicated to creating incentives that will increase the number of affordable housing units in California, given that demand consistently outpaces supply.

A native of San Francisco, Ms. Yee received her bachelor's degree in sociology from the University of California, Berkeley, and she holds a master's degree in public administration.

**Kris Tjernell, Deputy Director, Integrated Watershed Management
California Department of Water Resources**

Kris was appointed Deputy on May 14, 2018. This position is responsible for advancing policies and programs that integrate and provide multiple benefits including flood management, local water supply, and ecosystem restoration. He previously was the Special Assistant for Water Policy at the California Natural Resources Agency (CNRA) where he accelerated and coordinated implementation of Yolo Bypass flood and habitat restoration projects, California EcoRestore projects and related planning, and other actions to further the California Water Action Plan. Tjernell worked closely with Secretary John Laird to develop and negotiate proposed voluntary settlement agreements for each of the major Delta tributaries as part of the State Water Board's ongoing Bay-Delta Water Quality Control Plan process. Earlier in his career he was a policy consultant for Conservation Strategy Group, LLC, where he specialized in integrated water management, Sacramento-San Joaquin Delta restoration and governance, ESA/CESA issues, land conservation, water supply, ecosystem conflict resolution, and public finance. Tjernell advised a broad array of local public water agencies and non-governmental organizations to advance their federal, state, and local natural resource funding and policy objectives. He graduated from the University of California, Santa Cruz, with a Bachelor of Science degree in Ecology and Evolutionary Biology.



OPENING SESSION DISCUSSION

Imagine a Day Without Water

On October 10, 2018, nearly 900 agencies and organizations (including a number of the agencies & organizations represented today and tomorrow at the Update 2018 Plenary) will help promote the 4th annual Imagine a Day Without Water day. The purpose of the campaign is to ask Americans and their elected leaders to think about often-overlooked water systems. Across the country, municipal water agencies, city halls, coffee shops, breweries, schools, nonprofits and more will host events in their communities, call on their elected officials, and engage their networks on social media—all in the name of valuing water. During the Imagine a Day Without Water, millions of Americans will participate in raising awareness about the value of water and the need to invest in water infrastructure so no communities have to imagine—or live—a day without water again.

The message framework of the Imagine a Day Without Water campaign incorporates three main points:

1. A Day Without Water = Crisis
2. Reinvestment in Water Infrastructure = Opportunity
3. Strong Leadership on Water = Secure Future

An overarching message of the day is that while challenges might look different to different communities and will require local solutions, it's clear that reinvestment in our water systems must be a national priority.

The Day Without Water prevention themes echo those of the DWR Strategic Plan which highlights the importance of addressing the impacts of aging infrastructure, climate change, increasing population, and natural hazards. These same themes are also woven throughout Update 2018.

Californians have always seized on challenges to drive substantive changes in water resources management. California is also the first state in the nation to recognize that “every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.” A core underpinning of this statute is that the human right to water extends to all Californians, including disadvantaged individuals and groups and communities in rural and urban areas.

CWP Update 2018 incorporates all the work of previous Water Plans and articulates a vision for California's desired sustainable water future. It then explores a series of challenges and root causes that threaten the State's water security. Goals and objectives to advance the vision and address gaps are offered along with recommendations for needed changes, from planning to investment.



Imagine a Day Without Water
October 10, 2018

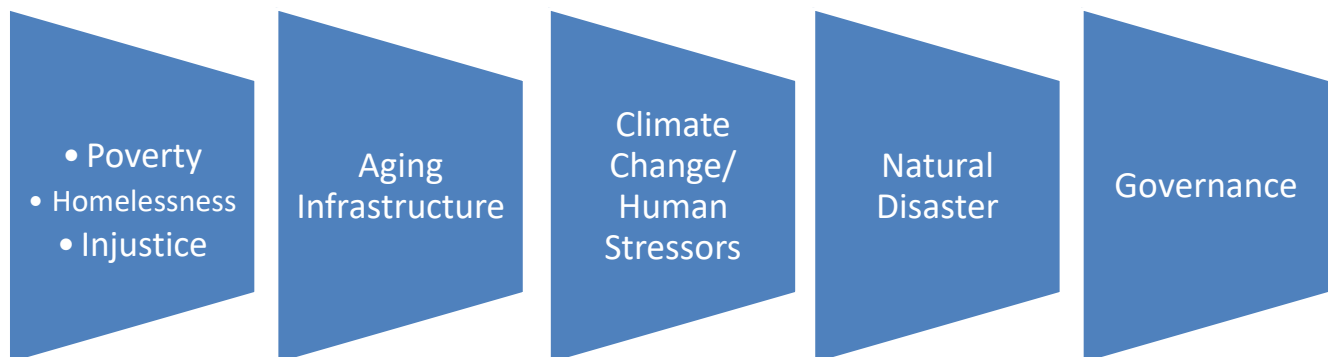


Figure 1. Day Without Water – Things that are Happening

DISCUSSION

Working as an individual:

1. What is the magnitude (percent of population) and the severity (impact) of individuals experiencing a day without water today or tomorrow, October 10, 2018, in your community, region, and the state?
2. How do you assess the risk of a day without water this year, the next five years, and in twenty years for your community, region and the state?

Working as a group:

1. To what extent do you view the situation in a similar way?

Challenges to Sustainability



Many regional and community challenges are particularly vexing and increasingly undermine the well-being of Californians. Although local, regional, and State water managers tackle the following challenges daily, they experience varying degrees of success. Update 2018 outlines the characteristics of four societal values - public health and safety, a vital economy, thriving ecosystems, and an enriched quality of life, that provide a yardstick to measure successful water management. Similarly, the DWR Strategic Plan identifies critical challenges to success and pledges to focus in particular to address the impacts of aging infrastructure, climate change, increasing population, and declining ecosystems. Update 2018 further describes these challenges then address their root causes.

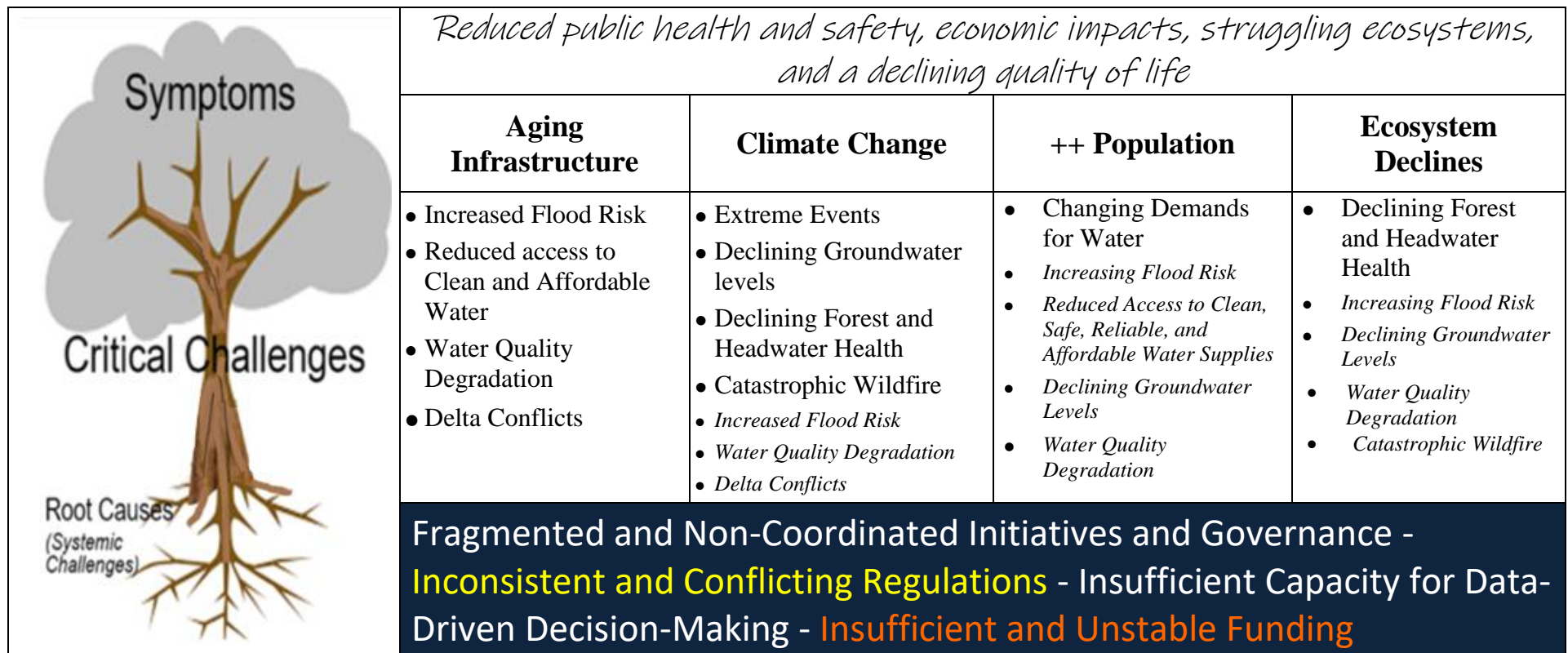


Figure 2. Challenges to Sustainability

Table 1. Critical Challenges

Extreme Events	Flood Risk	Changing Demands for Water:	Catastrophic Wildfires	Declining Ecosystems
Severe drought followed by extreme precipitation	\$580 billion in assets (i.e., crops, property, and public infrastructure) at risk	<ul style="list-style-type: none"> California's population is expected to increase from 39.4 million in 2016, to 51.1 million by 2060 Change in urban water demand, ranging from 1 million acre feet (maf) to 7 maf per year by the year 2050 (depending on population growth – this is equivalent to twice the storage capacity of Lake Oroville) .Improving conservation and water use efficiency, along with shifts in agriculture to permanent crops, will also make it more difficult to reduce water use during droughts and periods of low supply (i.e., demand hardening). 	<ul style="list-style-type: none"> In 2017 - 1,436,558 acres burned; 10,822 structures destroyed and another 1,238 damaged and tens of billions of dollars in losses and associated costs Continued urban development in and near wildlands. 	Green Infrastructure Endangered Species Water Quality Degraded
Declining Forest and Headwaters Health		Declining Groundwater	Unstable Regional Economies	
<ul style="list-style-type: none"> Drought Stress, Insect attack Historic tree mortality - Since November 2016, 27 million trees have died Resiliency and capacity to naturally regulate streamflow and buffer water quality for the state's upper watersheds reduced Loss of riparian zones, wetlands, aquatic habitats, & other green infrastructure. 		<ul style="list-style-type: none"> Artificial separation of surface water and groundwater Contaminants Stormwater Treatment Costs GW provides about 30-60% of state's water supplies Approx. 13 maf of GW reduction in storage in Central Valley aquifers 2005 – 2010 (= nearly four times Lake Oroville's total storage capacity) 	<ul style="list-style-type: none"> As water supplies have become less reliable, local and regional economies are more volatile, especially in agricultural and rural communities. Direct agricultural costs statewide from the drought total more than \$1.8 billion, with a loss of approximately 10,100 seasonal jobs. Economic downturns disproportionately harm people who have the least capacity to respond to changes. 	
		Reduced Access	<ul style="list-style-type: none"> Nearly 700 communities have systems that, prior to treatment rely on contaminated groundwater Homeless Disadvantaged Community Environmental Justice 	

Root Causes

Fragmented and Non-Coordinated Initiatives and Governance:

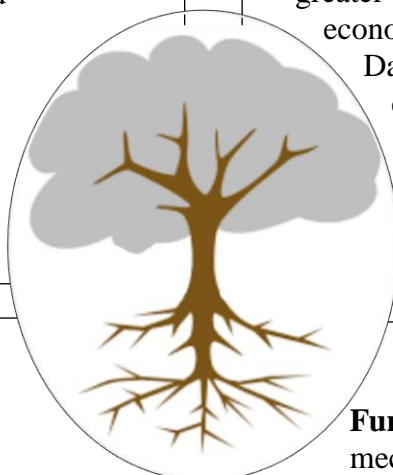
A lack of shared Intent and alignment of land-use and resource management planning and decisions - among local, regional, State, and federal agencies and California Native American Tribes – can impair the ability to efficiently sustainably manage at a watershed scale. Those striving to implement projects must navigate and comply with California’s labyrinth of non-coordinated and at times conflicting laws, regulations, and jurisdictions. This can lead to project delays and increased planning and compliance costs. This is true for both small, relatively simple projects and large, statewide projects. Sustainability will require unprecedented alignment and cooperation among public agencies, Tribal entities, landowners, interest-based groups, and other stakeholders. Alignment, implementation, collaboration and partnerships are required.

Insufficient Capacity for Data-Driven Decision-Making:

Information, data, and tools are essential for ensuring that decisions and actions result in intended outcomes, as well as measure progress toward accomplishing those outcomes. Yet, water resource planners and managers often do not have access to the technical information, tools, and facilitation services needed to support regional efforts toward sustainable, IWM. Data may be abundant statewide but are collected, used, and stored by numerous agencies and not coordinated or shared. Although this is a collective challenge, inadequately informed decisions are often experienced to a much greater degree in under-represented and economically disadvantaged communities.

Data must be accessible, sufficient, quality controlled, and usable.

Effective decisions must also be based on the appropriate use and interpretation of data.



Inconsistent and Conflicting Regulations:

While regulations are an integral part of public health & safety and environmental protection, current regulations - often developed in institutional silos - do not achieve their intended outcomes, much less balance environmental needs and human activities. Current statute focuses on avoiding, minimizing, or mitigating environmental impacts caused by discrete projects or protecting single species. This legal construct largely lacks the discretion needed to adaptively manage on a watershed or ecoregion scale. This includes managing for ecosystem restoration and the services it provides.

Insufficient and Unstable Funding:

Current State funding mechanisms and their use are often inadequate, unpredictable, and inflexible in light of multiple mandated, water-related responsibilities (including local assistance and cost-sharing). Many other factors, such as changing public priorities, deferred maintenance, and responses to declining ecosystems and catastrophic events, have compounded today’s State funding needs. Additional funding challenges come from relying heavily on State GO bond funding and federal funding. State GO bond debt is at a near an all-time high.

Table 2. Root Causes



The Water Plan Team has presented the symptoms, challenges and root causes of Days Without Water for Californians. How the Water Plan will tackle these issues is the subject of Plenary 2018.

DISCUSSION

During the opening discussion you and your colleagues identified Californians without water today and assessed potential future risks for water scarcity. Properly expressing the nexus between days without water and system level issues will be essential in both managing the response to concerns and building advocacy for a sustainability approach.

Thinking about the earlier discussions and the symptoms, challenges and root causes just presented:

1. What, if anything, would need to be incorporated into the critical challenges and root causes to fully capture the dilemmas that put our water future at risk?
2. How well are you personally able to articulate the nexus between the Water Plan defined challenges and root causes, and the individuals and communities at risk?



INVESTING IN A SHARED VISION FOR CALIFORNIA'S WATER FUTURE

- *Key Concepts in Update 2018 for Addressing California's Challenges*

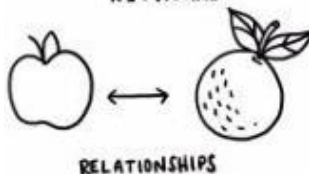
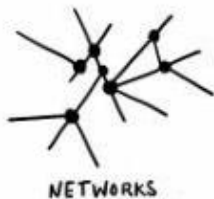
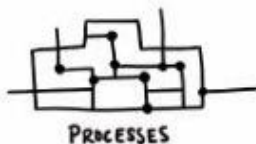
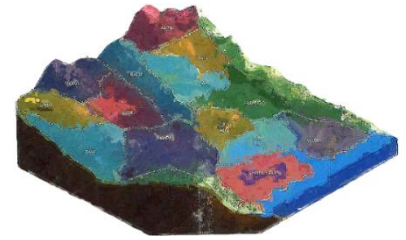


Notes:

WHAT WE CAN DO ABOUT IT

1. Decisions must be made despite lack of full understanding.
2. Making effective decisions should incorporate more than mental models and advocacy.
3. Data and analytical tools can enable more effective action and investment.
4. Managing within a complex system requires iteration/adaption.
5. Effective management occurs when people work across disciplines, natural resource sectors, and jurisdictions.

MAKING DECISIONS WITHIN DYNAMIC AND COMPLEX SYSTEMS



SimBasin enables stakeholders and scientists to critically compare mental and computer models, with useful shared-insights gained. It simulates past and future decisions and promotes “serious gaming” as a viable planning tool.

Next Gen Decision Support

- Decisions must be made despite lack of full understanding.
- Making effective decisions should incorporate more than mental models and advocacy.
- Data and analytical tools can enable more effective action and investment.
- Managing within a complex system requires iteration/adaption.
- Effective management occurs when people work across disciplines, natural resource sectors, and jurisdictions.

Takeaways

- Effective decision-making requires more than mental models and advocacy.
- Analytical tools can be used to manage at hydrologic scale using existing institutions.
- SimBasin-type tools can be effectively coordinated with many aspects of the California Water Plan.
- Data-based decisions are only as good as the data.

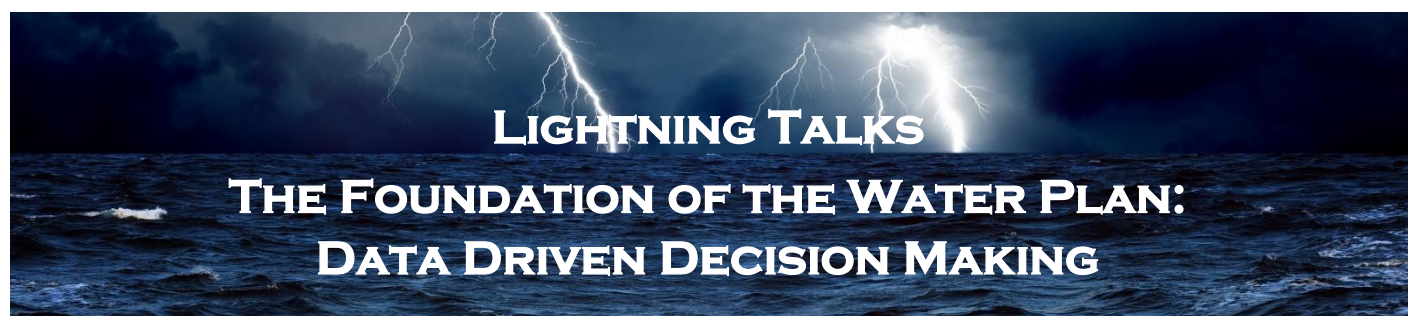
Potential Scales of SimBasin:

- GSA
- IRWM
- Hydrologic Regions

Run Your Own SimBasin Workshop:

<http://simbasin.hilab.nl/en/download.html>

Notes:



Subject/ Presenter	Notes/ Questions
<ul style="list-style-type: none"> • <i>Overview</i> - Jennifer Kofoid, Hoa Ly • <i>Water Supply and Balance</i> - Xavier “Tito” Cervantes – More about Tito’s presentation is here: http://tinyurl.com/y7ssjg7z • <i>Water Budgets</i> - Paul Shipman - More about Paul’s presentation is here: http://tinyurl.com/y7ka7lz8 	
<ul style="list-style-type: none"> • <i>Climate Change</i> – Emily Alejandrino - More about her presentation is here: http://tinyurl.com/y8zwl8dn • <i>Future Scenarios</i> – Mohamed Rayej • <i>Land Use</i> – Curtis Anderson - More about his presentation is here: http://tinyurl.com/ya5uqanj 	
<ul style="list-style-type: none"> • <i>Remote Sensing and Drones</i> – Gary Darling • <i>Watershed Mapping</i> – Matt Corea. More information about his program is here: http://tinyurl.com/y8cd7595 • <i>Storm Water Targets</i> - Nirmala Benin, More about her program is here: http://tinyurl.com/y8rf49m6 	
<ul style="list-style-type: none"> • <i>Recycled Water Use</i> – Rich Mills, More about Rich’s presentation is here: http://tinyurl.com/yb86a32j • <i>Water Conservation</i> – Peter Brostrom, More about his presentation is here: http://tinyurl.com/y8opnfn5 • <i>Open and Transparent Data</i> – Chris McCready, More about her program is here: http://tinyurl.com/y7uvl43r 	





PRIORITIES FOR SUSTAINING, BROADENING, AND STRENGTHENING REGIONAL WATER MANAGEMENT

Presenters	Notes
<p>Session Hosts: Michael Floyd & Lewis Moeller, DWR</p> <p>Moderator: Lynn Rodriguez, Watersheds Coalition of Ventura County</p> <p>Stakeholder Representatives:</p> <ul style="list-style-type: none"> • Mike Antos, Santa Ana Water Project Authority • Karen Gaffney, West Coast Watershed • Holly Alpert, Inyo-Mono IRWM Region • Cathy Pieroni, City of San Diego • Brandi Brown, North Coast Resource Partnership Tribal Policy Review Panel Tribal Representative • Leslie Friedman Johnson, Conservation and Natural Resources Group 	



ADDRESSING PRIORITIES FOR THE FUTURE OF REGIONAL WATER MANAGEMENT THROUGH STATE, TRIBAL, AND REGIONAL PARTNERSHIPS

Presenters	Notes
<p>Session Hosts: Michael Floyd & Lewis Moeller, DWR</p> <p>Moderator: Lance Eckhart, Mojave Water Agency</p> <p>Agency Representatives:</p> <ul style="list-style-type: none">• Erik Ekdahl, State Water Resources Control Board• Kris Tjernell, DWR• Charlton Bonham, Department of Fish and Wildlife• Anecita Agustinez, DWR• John Andrew, DWR• Leslie Laudon, State Water Resources Control Board	

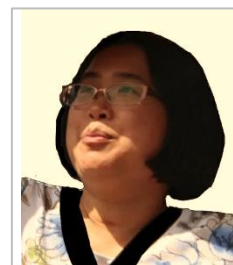


WATER PLAN PLENARY 2018 PRESENTER INFORMATION

Agustinez, Anecita: Anecita has served as DWR's tribal policy advisor since August 2013. Agustinez has over 30 years of advocacy experience on behalf of California's Native American tribes. She provides policy support and recommendations regarding tribal issues to the director and chief deputy director and has been actively engaged with our projects and programs, assisting with tribal consultation and development of the DWR Tribal Consultation Policy. Before joining DWR, Agustinez served as the Native American liaison and manager of the Office of Legislative and External Affairs and the Office of Health Access at the Department of Health Care Services. She previously served as the assistant director of the Office of Native American Affairs at the Department of Justice in the Office of the Attorney General. Her experience includes developing and conducting training in the areas of tribal consultation and cultural competency. Agustinez studied political science at Stanford University and is a tribal citizen of the Dine (Navajo) nation. Contact: anecita.agustinez@water.ca.gov.



Alejandrino, Emily, Senior Environmental Scientist: Climate Change – Emily is a DWR senior environmental scientist specialist in the Climate Change program. Her focus is outreach and education with staff, educators, children, and the general public. Her passion is working with California Native American Tribes in developing resources for climate change planning within their community through presentations, posters, video and other media. She has 20 years of experience working on California water issues. She received a Bachelor's of Arts in Environmental Studies with a minor in Biology and Music at California State University, Sacramento. Contact: Emily.Alejandrino@water.ca.gov, 916-949-1064. More about her presentation is here: <https://water.ca.gov/Programs/All-Programs/Climate-Change-Program>



Alpert, Holly, Ph.D.: Holly lives in Bishop, California, and works on California water issues in two capacities: Director of the Inyo-Mono Integrated Regional Water Management Program (IRWMP) and IRWMP Coordinator for the California Rural Water Association. Through these two efforts, Holly has been working with small, rural, and disadvantaged communities for the past 10 years with the goal of building capacity and increasing self-sufficiency with respect to water resources. Holly has served on the boards of Sierra Classic Theatre and the Bristlecone Chapter of the California Native Plant Society, and she is currently board president for



the Amargosa Conservancy. Holly holds a B.A. in Environmental Science and American Studies from Wellesley College and a Ph.D. in Environmental Studies from the University of California, Santa Cruz. In her leisure time, Holly enjoys skiing, hiking, traveling, and eating chocolate. The best find during a 2017 European trip was Fassbender & Rausch Chocolatiers in Berlin.

Anderson, Curtis, P.E., Principal Engineer: Land Use – Curtis is Chief of the Northern Region Office in Red Bluff is responsible for representing the DWR and its Director in matters under the Department's jurisdiction in the Northern Region, which covers the 16 northern counties of California. He has 28 years of experience working in northern California on a variety of water development projects, flood control projects, and environmental restoration projects. He has worked on a variety of projects that involved coordination with other federal, State, and local agencies as well as public outreach. He also has experience conducting a variety of engineering studies throughout northern California. He received his Bachelors Degree in Civil Engineering from Chico State University in 1990, and is a Professional Engineer with the State of California. Curtis and his family live in Chico. Contact: Curtis.Anderson@water.ca.gov, 530-529-7348. More about his presentation is here: <https://gis.water.ca.gov/app/CADWRLandUseViewer>



Andrew, John T. John is Assistant Deputy Director of the California Department of Water Resources, where since 2006 he has overseen the Department's climate change activities. His previous organizational affiliations include the Stege Sanitary District, the CALFED Bay-Delta Program, the California Department of Health Services, the Lawrence Berkeley National Laboratory, and the US Environmental Protection Agency. Andrew has over 25 years of experience in water resources and environmental engineering, and holds degrees in Civil Engineering and Public Policy from the University of California at Berkeley.



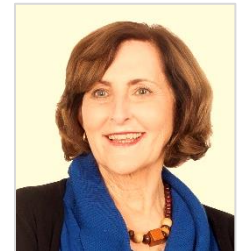
Antos, Mike: Mike Antos is a Senior Watershed Manager for the Santa Ana Watershed Project Authority, facilitating the One Water One Watershed program and leading engagement with members of disadvantaged communities for collaborative watershed management. He is a board member of the nonprofit Environmental Justice Coalition for Water, and is a Fellow of the Robert & Patricia Switzer Foundation. Mike holds a PhD in Geography from UCLA, and serves as co-chair of the American Water Resources Association Integrated Water Resources Management committee. Contact: mantos@sawpa.org, 951.354.4238 (office), 909.371.6297 (mobile).



Benin, Nirmala, Senior Engineer: Storm Water Targets –Nirmala is a registered Civil Engineer in California with over 20 years of experience with DWR, Larry Walker Associates, California Department of Public Health, and the Washington Suburban Sanitary Commission in Maryland - the 8th largest water and wastewater utility in the U.S. Her varied experience started with modeling the Sacramento-San Joaquin Delta, then storm water characterization studies at Larry Walker Associates, regulating and funding drinking water systems in California, and then planning and designing water distribution system pipelines for WSSC. She currently works in the Water Use Efficiency Branch at DWR. Contact: Nirmala.Benin@water.ca.gov, 916-651-9848. More about her program is here: <https://gis.water.ca.gov/app/StormwaterProjects-Post2014/>



Beutler, Lisa: Lisa Beutler is the Executive Facilitator of the California Water Plan (4th tour of duty) and DWR's Facilitation Support Services for implementation the Sustainable Groundwater Management Act. She spent a career in state government, starting as a state park ranger then eventually serving stints as the Undersecretary for Corrections, and working in the offices of two Governors and a Lt. Governor. She eventually transitioned to California State University Sacramento where she became the Associate Director of the Center for Collaborative Policy. Now at Stantec, she focuses on water issues and leads high profile public policy and public engagement efforts. In addition to being a nationally recognized collaborative policy expert, she will be the 2019 President of the American Water Resources Association. Contact: lisa.beutler@stantec.com, (916) 418-8257.



Bonham, Charlton “Chuck”: Bonham is the Director of the California Department of Fish and Wildlife (previously the Department of Fish and Game). Bonham was appointed by Governor Edmund G. Brown in August 2011. His seven years of service makes Bonham one of the longest standing Directors in recent history. Prior to his appointment, for over ten years Bonham served in a number of roles for Trout Unlimited (TU), including as the organization's California Director and as a Senior Attorney. He was responsible for developing, managing, and implementing TU's programs in California. He has also served as a gubernatorial appointee on the Board of Directors of the Delta Conservancy. Bonham received his J.D. and Environmental and Natural Resources Law Certificate from the Northwestern School of Law of Lewis and Clark College in Portland, Oregon. He was also a Peace Corps Volunteer in Senegal, West Africa.



Brostrom, Peter, Land and Water Use Program Manager: Water Conservation – Pete leads the Water Use Efficiency Section for DWR. Major projects include urban and agricultural water management planning, the long-term conservation framework, the state's landscape model ordinance and water use efficiency grants. Peter is in his 17th

year with DWR, all in the Water Use and Efficiency Branch. Prior to DWR, Peter managed a grain farm in Sutter County, conducted cropping systems research at UC Davis and served as a Peace Corps Volunteer in Burkina Faso. He received a B.S. in Plant Science and M.S. in Soil Science from UC Davis. Contact:

Brostrom@water.ca.gov, 916-651-7034. More about his presentation is here: <https://water.ca.gov/Programs/Water-Use-And-Efficiency>



Brown, Brandi: North Coast Resource Partnership Tribal Policy Review Panel Tribal Representative

Cervantes, Xavier (Tito), Senior Land and Water Use Scientist: Water Balances – Tito Cervantes is Chief of the Land and Water Use Section in the Division of Integrated Regional Water Management Planning, Northern Region Office in Red Bluff. Tito has a Bachelor of Science Degree in Soil Resource Management with a minor in Civil Engineering from the University of California, Berkeley. Tito has 31 years of experience conducting Land and Water Use Surveys; monitoring the effects of climate change on agricultural practices and irrigation demands; urban demands; managed wetlands; agricultural water conservation techniques; irrigation scheduling; water transfers; groundwater balances, and hydrologic investigations in Northern California, as well as being the Department's Regional Tribal Liaison. For the past 31 years, Tito has been heavily involved with updating the California Water Plan and is the Lead for the Water Supply & Balance Team., Contact:

Tito.Cervantes@water.ca.gov, 530-529-7389, More about his presentation is at <https://water.ca.gov/Programs/California-Water-Plan/Water-Portfolios>



Corea, Matt, Senior Engineer: Watershed Mapping – Matt is a Senior Engineer with DWR's Statewide Data Publication, Exchange and Management Program. Matt's work supports DWR's data collection programs, Water Data Library, National Hydrography Dataset and implementation of the Open and Transparent Water Data Act (AB 1755). Previously Matt worked with DWR's Flood Maintenance Office and Climate Change Program. Contact:

Matthew.Correa@water.ca.gov, 916-651-9640. More information about his program is here: <https://wdl.water.ca.gov/waterdatalibrary/NHD/index>



Darling, Gary, Program Specialist: Remote Sensing with Drones – Gary is an Operations Research Specialist with DWR. Where he is passionate about writing about himself in third person. During his 8 year assignment as the Chief Information Officer for the California Resources Agency, he was responsible for the computer and telecommunications for the agency's 16,000 employees and has served as the geographic information officer for California. This position is responsible for GIS statewide. Contact: Gary.Darling@water.ca.gov, 530-564-9867



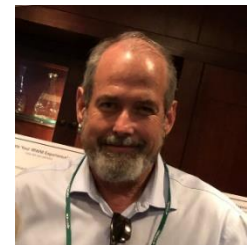
Ekdahl, Erik: Erik is the Deputy Director, Division of Water Rights at the State Water Resources Control Board. Here he oversees permitting and enforcement, and the water quality certification, public trust, and cannabis programs. Prior to becoming the Deputy, he served as the Director of Research, Planning and Performance. In this role he provided significant leadership in the launch of Sustainable Groundwater Management programs.



Eckhart, Lance: Lance Eckhart is the Director of Basin Management and Resource Planning for the Mojave Water Agency (State Water Contractor) and has been with the Agency since 2001. Mr. Eckhart has worked in the public and private sectors during his approximate 20 years of experience in Water Resources management. Prior to his employment at Mojave Water Agency, Mr. Eckhart worked for a variety of consulting firms focusing on groundwater remediation and assessment. His responsibilities include leading a team of scientists, engineers, data analysts, technicians and planners to manage the water resources for the approximately 5,000 square mile MWA service area. Recent major works have consisted of the directing the Agency's Urban Water Management Plan, the Integrated Regional Water Management Plan, Salt and Nutrient Management Plan, Groundwater Management Plans, Basin Conceptual Models and direct input regarding water policies for the region. Mr. Eckhart received his Bachelor of Science degree in in Geology and a Master of Science degree in Environmental Science from California State University, Fullerton. He is a licensed Professional Geologist and Certified Hydrogeologist in the State of California.



Floyd, Mike: Mike Floyd's 38-year career in water resources includes positions with DWR's Statewide Water Resources Planning Team, Integrated Regional Water Management Program, Suisun Marsh Program, Delta Levees Special Flood Control Projects Program, and Water Quality Evaluations Program. He also served as the Department's Staff Ground Water Hydrology Specialist and the Well Standards Specialist. Mike also held positions with the State Water Resource Control Board's Division of Water Rights and Division of Water Quality preceded by a position with the Central Valley Regional Water Quality Control Board. Prior to working for the State, Mike was a project manager and hydrologist at two nationally-based consulting firms & as a researcher at University of Arizona, Department of Hydrology and Water Resources conducting research for the development and evaluation of groundwater models. Mike is a California Registered Professional Engineer and has served as a Planning Commissioner for the City of Dixon, CA, and as a member of the City's Wastewater Advisory Committee. Mike enjoys time off with his family and is obsessed with motorcycles. Contact: Michael.Floyd@water.ca.gov.



Friedman Johnson, Leslie: Leslie is a government relations strategist who for more than 30 years has worked with non-profit organizations and local governments to advance an ambitious natural resource policy agenda in California. Prior to founding her current firm, CNRG, in 2014, she co-founded and managed Sacramento-based advocacy and consulting firm, Conservation Strategy Group (CSG). From 1986–2002 she worked for The Nature Conservancy (TNC) where she had responsibility for state and federal government affairs and established the first TNC California Water Program.



Her involvement in IRWM dates back the late 1990's when she helped develop the multi-benefit Flood Corridor Program in Proposition 13, followed shortly by the Integrated Watershed Management Program and Prop 50's IRWM program in 2002. Currently Leslie is working on a countywide multi-benefit, integrated stormwater management program in Los Angeles County.

Leslie lives on the Russian River in Sonoma County, at the intersection of the intertwined resource management challenges of drought, flood, fire and fish, and is a sometimes blues singer.

Gaffney, Karen: Karen is the co-founder and CEO of West Coast Watershed, and staff to the North Coast Resource Partnership since its inception in 2005. A riparian ecologist, Karen is the past president of the California Society for Ecological Restoration, is a Switzer Environmental Leadership Fellow, and has served on the board of directors of the Watershed Management Council and Conservation Corps North Bay. Her early years were spent on a sheep ranch in the Navarro River watershed. Once, while sleeping under the stars in the Austin Creek Watershed, she was bitten on the face by a rabid skunk – the rest is history.



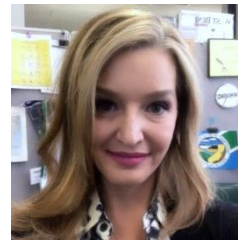
Guivetchi, Kamyar: Kamyar was appointed Manager of the Division of Statewide Integrated Water Management in August 2008 with the California Department of Water Resources (DWR). During his 39 years with DWR, Kamyar has worked on many technical and planning projects with the North-Central Region Office, Division of Planning, Bay-Delta Office, and Division of Environmental Services managing the Suisun Marsh Program. For the past 17 years, Kamyar managed DWR staff work and coordinated the participation of numerous government agencies, Native American Tribes, stakeholders, and public to prepare the California Water Plan Updates 2005, 2009 and 2013 using a collaborative and consensus-seeking approach. He chairs the 30-member State Agency Steering Committee for preparing Water Plan Update 2018, and is the State Co-chair of the California Biodiversity Council's Executive Committee. Contact: Kamyar.Guivetchi@water.ca.gov, 916-651-9202.



Juricich, Rich, Principal Water Resources Engineer: Rich has a solid background in the field of water resources engineering through education, training, and work experience in over 20 years at DWR. He serves as the Assistant Division Chief for DWR's Division of Integrated Regional Water Management (DIRWM) with primary responsibility of integrating the programmatic engineering activities carried out by DIRWM's Branches and Regional Offices. He is a registered Professional Civil Engineer in California and a Certified Envision Sustainability Professional (Env SP) through the Institute for Sustainable Infrastructure. He holds an MS in Hydrologic Sciences from UC Davis, and a BS in Environmental Resources Engineering from Humboldt State University. He also recently completed the UC Davis Executive Leadership Program. Contact: rich.juricich@water.ca.gov.



Kofoid, Jennifer, P.E., Senior Engineer: Data-Driven Decision Making - Jennifer joined DWR in 1997. She spent four years with Operations and Maintenance, Earthquake Engineering and Civil Maintenance sections, then moved on to Planning and Local Assistance and the Division of Statewide Integrated Management. With Update 2018 she has helped complete four Water Plan Updates. Jennifer has been involved with many aspects of the California Water Plan including climate change, resource management strategies, web and information technology, graphics, public comments, technical documentation, Assumptions and Estimates, water technology, water supply, use and balance data collection, analysis, reporting, and management, and communication, collaboration and production assistance. Her professional activities have included involvement with MESA tutoring, ASCE, Tau Beta Pi, and PECG. Jennifer is a California State University Sacramento graduate and a registered Professional Engineer. Contact: Jennifer.Kofoid@water.ca.gov, 916-653-7574



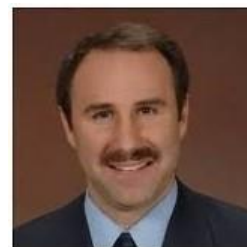
Laudon, Leslie, Assistant Deputy Director: A long time state employee, Leslie is an Environmental Program Manager working in the Division of Financial Assistance at the State Water Resources Control Board. She is a graduate of the Colorado School of Mines



Ly, Hoa, Engineer: Data-Driven Decision Making & Logistics Team - Hoa worked for the US Army Corps of Engineers as planner, project manager and program manager in districts and regional office then joined DWR in 2009. She co-led the Resources Management Strategies volume 3 of Update 2013. Hoa has been involved with many aspects of the California Water Plan including resource management strategies, graphics, public comments, documentation, analysis, reporting, budget and contract management, communication, collaboration and production assistance. Hoa is a UC Davis graduate and a mariachi parent. Contact: Hoa.Ly@water.ca.gov, 916-651-9282.



Massera, Paul, P.E., Chief, Strategic Water Planning Branch: Paul leads the 2018 Water Plan Update process. His career emphasis is strategic, multi-disciplinary planning to guide State water policy and investment. This includes policy decision-support regarding engineering, economic, institutional, operational, environmental, and stakeholder collaboration aspects of water management. Paul also led development of the 2013 Water Plan Update. Prior to joining the Water Plan Team, he was responsible for wetland water management operations and habitat restoration planning in the Suisun Marsh. His background also includes managing and conducting a variety of water supply and flood management evaluations throughout the State, planning groundwater recharge and conjunctive use projects, and investigating statewide surface storage and conveyance opportunities for the CALFED Bay Delta Program EIS/EIR. Paul led the formulation and evolution of the resource management strategies in the 2005 Water Plan Update. Other past assignments include: Policy Advisor to DWR Deputy Director of Statewide and Delta Planning, CALFED Bay Delta Program, and State Division of Safety of Dams. Contact: paul.massera@water.ca.gov, (916) 651-9614.



McCready, Chris, Principle Engineer: Open and Transparent Data – Chris manages the DWR Integrated Data and Analysis Branch of the Division of Statewide Integrated Water Management. She believes that a statewide integrated data platform will benefit the state's people by providing water management decision-makers with access to timely and coordinated datasets of documented quality. Chris' work with DWR has included civil engineering design, construction inspection, Oroville facilities relicensing, project communications, and, most recently, integrated regional water management. Chris is a licensed professional civil engineer and holds a Bachelor of Science degree in civil engineering from California Polytechnic State University, San Luis Obispo. Contact: Christina.McCready@water.ca.gov, 916-651-9298. More about her program is here: <https://water.ca.gov/Programs/All-Programs/AB-1755>



Mills, Rich, P.E., Senior Engineer: Recycled Water Use - Rich has worked 47 years in the field of water resources and water quality engineering. Since 2011 he has been in charge of DWR's Water Recycling and Desalination Section after working 36 years for the California State Water Resources Control Board. Most of his career has been devoted to wastewater reclamation and reuse (also called water recycling). Rich was involved in writing the State Water Board's, if not the state's, first recycled water policy in 1977. He has been involved in statewide surveys collecting data on water recycling projects since 1978. Within the state government framework of improving water management and water use efficiency, he has been involved in planning, economics, funding, policy, public health, regulatory, and legislative issues related to water reclamation, conservation, and water desalination. Rich holds B.S. and M.S. degrees in civil and environmental engineering from the



University of California, Davis. Contact: Richard.Mills@water.ca.gov, 916-651-7015. More about Rich's presentation is here: <http://tinyurl.com/yb86a32j>.

Moeller, Lewis: Lew is currently Chief of the Water Resources Evaluation Section, Division of Statewide Integrated Water Management, with the Department of Water Resources. In this role Lewis works with a dedicated team of DWR staff in planning, organizing and coordinating the development of the California Water Plan. Previously, Lewis worked for almost twenty years with the State Water Board in a variety of roles associated with both water rights and water quality. He served as an adjunct instructor in the Science Department at American River College for over 12 years. Lew received his B.S. Degree in Civil Engineering from California State University, Sacramento and is a California licensed Professional Civil Engineer. Contact: lewis.moeller@water.ca.gov



Nemeth, Karla, Director: See Feature Speakers, Page 7

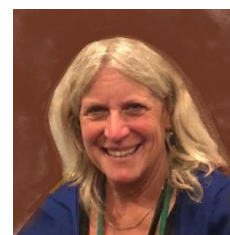
Pieroni, Cathy: Cathy is the Government Relations Water Policy Manager at City of San Diego, Office of San Diego Mayor Kevin L. Faulconer. She also serves on the Association of California Water Agencies Legislative Committee. Prior to joining the Mayor's Office in February 2018 she spent 25 years working for the City of San Diego as a Program Manager and Senior Water Resources Specialist and for the Metropolitan Water District in a similar capacity. She has an MBA from the University of San Diego and a BA from State University of New York College at Plattsburgh where she majored in Latin American Studies and Spanish.



Rayej, Mohammad, P.E., Senior Engineer: Future Scenarios - Mohammad joined DWR in 1988 in the Bay-Delta Office working on development and applications of hydrodynamic models in Sacramento-San Joaquin Delta projects including South-Delta and CALFED model studies. He then joined Division of Planning and Local Assistance (DPLA) in 2000 working on California Water Plan Updates and was involved in 4 Updates including 2005, 2009, 2013 and the current 2018. His main responsibility has been model developments, applications and model studies of future scenarios and projections of water supply and demand conditions in California in support of CWP Updates. He has a Ph.D. from University of California, Davis in Water Resources Engineering and a registered Civil Engineer (P.E.) in California. Contact: Mohammad.Rayej@water.ca.gov, 916-653-8017.



Rodriguez, Lynn: Lynn has been a water resource professional for 38 years, focusing on water use efficiency, urban water management and integrated regional water management primarily in Ventura and Santa Barbara counties. Since 2005 she has managed the Watersheds Coalition of Ventura County (WCVC) Integrated Regional Water Management (IRWM) Program. In collaboration with stakeholders in

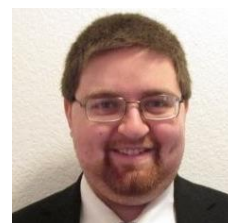


the region, she prepared and oversees two IRWM plans, has worked on numerous IRWM grants, and manages ongoing stakeholder engagement within WCVC. She serves as co-chair of both the statewide IRWM Roundtable of Regions and the LA-Ventura Area Disadvantaged Community Involvement Task Force. She has served on numerous local, statewide and national committees addressing water management issues. She graduated from UCSB and still lives in Santa Barbara. In her free time, she serves on a local non-profit board and spends as much time outdoors as possible.

Sandino, David: David Sandino served as Chief Counsel for the California Department of Water Resources from 2006-2010 and General Counsel for the Central Valley Flood Control Board from 2000-2004. He currently serves as senior staff counsel for DWR. He has worked on significant water, environmental, tribal, and energy issues during his twenty-five-year career with the Department. His academic career has centered on teaching professional and undergraduate natural resource courses. He has taught water law, environmental law, energy resources law, real property and local government law at Texas Tech University School of Law, University of Nevada, Las Vegas, Santa Clara University School of Law, University of San Francisco School of Law, Golden Gate University School of Law, University of Redlands, and Sacramento State University. He also created and teaches courses for environmental professionals on California water law and policy, the Sacramento-San Joaquin Delta, and tribal water law. He received a 1999 Fulbright Fellowship to teach in Russia, where he taught international environmental law at the Moscow State Academy. He received a distinguished teaching award from the UC Davis Extension for his contribution to natural science education.



Shipman, Paul, Water Resources Engineer: Water Budgets - Paul is with DWR's Division of Statewide Integrated Water Management and currently helping to prepare the Water Budget Development Practitioner's Handbook. Paul has participated in a range of technical and professional duties, including modeling, facilitating, analysis, and technical writing in support of several programs at DWR including the Water Budget Pilot Projects, the Sustainable Groundwater Management Program, the 2017 Central Valley Flood Protection Plan, and the IRWM Stakeholder Perspectives report. Paul graduated magna cum laude from California State University, Sacramento with a Bachelor of Science in Civil Engineering and is a licensed Professional Engineer in California. Paul has been with DWR since 2013. Contact: Paul.Shipman@water.ca.gov, 916-651-9245. More about Paul's presentation is here: <http://tinyurl.com/y7ka7lz8>



Tjernell, Kris, Deputy Director, Integrated Watershed Management: See Featured Speakers, page 8

Yee, Betty T.: See Featured Speakers, page 7

PLENARY LOGISTICS TEAM

Guzman, Francisco, Environmental Scientist: Super Hero - Francisco joined DWR as a student assistant in 2012 and assisted the Water Plan team with completing Update 2013. A talented writer and thorough editor he has assisted with Update 2018 as the web and information technology lead and has been involved with many aspects of the California Water Plan including managing public comments, technical documentation, water technology, reporting, management, and communication, collaboration and production assistance. Francisco is a proud graduate of UC Davis. When not in his super hero uniform, you are most likely to find him rescuing team members and going out of his way to help the Water Plan Stakeholders. Contact: Francisco.Guzman@water.ca.gov, 916-651-9635.



O'Daly, William, Supervisor of Technical Publications (Water Plan Editor): Coach – Bill is a technical writer, poet, editor, publisher, and university professor, among other things, and has received national and regional honors for literary editing and instructional design. He and his Publications crew supported the Water Plan Team with preparing for the 2018 Plenary presentations and thinking through important meeting highlights. If you want to engage in a serial conversation, ask Bill his thoughts on Oxford Commas. He began his educational career at the University of California, Santa Barbara as an economics major but, before the end of his freshman year, he turned to literature and the writing of poetry. He also holds an MFA from Eastern Washington University. Contact: William.ODaly@water.ca.gov, (916) 651-9604



Ly, Hoa, Engineer: Data-Driven Decision Making & Logistics Team – See page 29.

Talbot, Judie, Mediator-Facilitator: Conductor – Judie provides dispute resolution services for a wide range of environmental and energy related projects. Some notable projects include working on a BLM Wild Horse and Burro holding facilities plan and mediation of Burning Man contracting clauses. Prior to beginning her own practice (where she now partners with several other firms) she worked for the nationally well regarded Institute for Environmental Negotiation in Charlottesville, VA, and at the Sacramento State Center for Collaborative Policy. She has also worked with the Environmental Planning Group in Phoenix, AZ. Judie is now assisting with her 4th Water Plan. She is most famous for having the same DNA as the International Atomic Time clock. This has given her the uncanny ability to make sure meetings and trains run on time. She completed the Master's Program in Applied Anthropology with a focus in Conflict Management at the University of Arizona and holds a B.A. in Cultural Anthropology, from Humboldt State University. Contact: Talbot.judie@gmail.com, 775-720-0214.



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